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# HOGS AND PIGS



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## INVENTORY 1 PERCENT LOWER

Inventory of hogs and pigs on September 1, 1978 in the 14 States conducting quarterly hog surveys was estimated at 48.9 million head, 1 percent below a year earlier but nearly equal to two years ago, according to the Crop Reporting Board.

- Breeding inventory, at 7.40 million head, was 3 percent higher than a year ago and 8 percent above two years earlier.
- Market hog inventory totaled 41.5 million head, 1 percent below both last year and two years ago.

The 14 Quarterly States usually account for slightly above 85 percent of the total U.S. hog and pig inventory.

## PIG CROP (JUNE-AUGUST 1978)

The June-August 1978 pig crop in the 14 States totaled 18.7 million head, slightly below the previous year but 2 percent above two years earlier. There were 2.60 million sows farrowed in these States during this period, virtually unchanged from the corresponding period in 1977 and 3 percent above the June-August 1976 period.

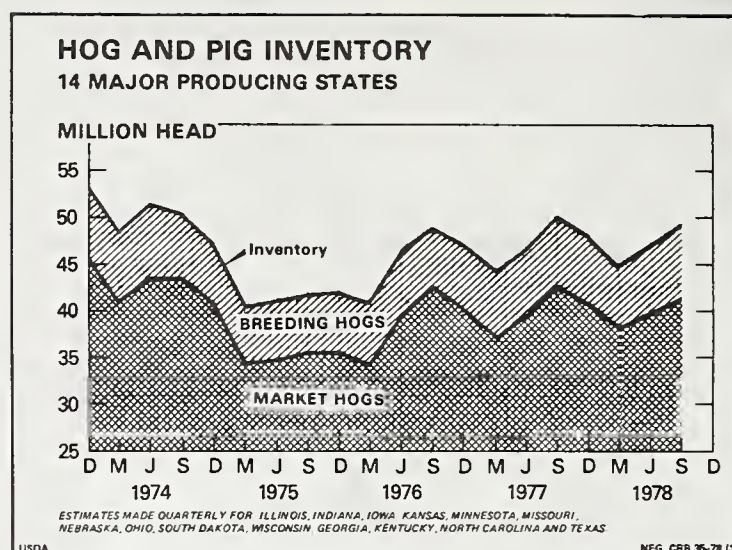
Litter size averaged 7.20 pigs for the three months, compared with 7.22 a year earlier and 7.32 for the same period two years ago. A smaller litter size combined with conception problems reduced the expected pig crop for this quarter.

## FARROWING INTENTIONS

Producers in the 14 States intend to have 2.64 million sows farrow during the September-November 1978 period, 3 percent more than a year ago and 5 percent above the 1976 period.

Farrowing intentions for the December 1978-February 1979 quarter are placed at 2.35 million sows, 3 percent more than a year earlier and 2 percent more than farrowed during the same quarter two years ago.

This report contains revisions for the June 1 inventory and March-May sows farrowed and pig crop estimates for Indiana and Texas.



HOG AND PIG INVENTORY  
14 MAJOR PRODUCING STATES

DATE OF SURVEY	MARKET	TOTAL <sup>1/</sup>	DATE OF SURVEY	MARKET	TOTAL <sup>1/</sup>
	MILLIONS			MILLIONS	
DEC 1973	45.4	52.8	MAR 1976	34.1	40.8
MAR 1974	40.9	48.5	JUN 1976	39.2	46.2
JUN 1974	43.5	51.1	SEP 1976	42.1	48.9
SEP 1974	43.4	50.2	DEC 1976	40.3	47.1
DEC 1974	40.9	47.2	MAR 1977	37.1	44.1
MAR 1975	34.3	40.3	JUN 1977	39.3	46.6
JUN 1975	34.8	41.0	SEP 1977	42.0	49.2
SEP 1975	35.5	41.5	DEC 1977	41.0	48.3
DEC 1975	35.5	41.9	MAR 1978	37.8	44.7
			JUN 1978	39.8	47.2
			SEP 1978	41.5	48.9

<sup>1/</sup> BREEDING TOTAL IS DIFFERENCE BETWEEN MARKET HOGS AND TOTAL HOGS.

**RELIABILITY AND ESTIMATING PROCEDURES:** Primary data used in setting these hog estimates were obtained from probability surveys. Information was collected by mail, telephone and personal interviews. Since all operations with hogs were not included in the sample, survey estimates are subject to sampling variability. This variability, as measured by the relative standard error, is about two percent at the U.S. level for hog inventory. This means that chances are approximately 95 out of 100 that survey estimates will be within four percent of the complete coverage value if the same procedures were used to survey all producers. Survey estimates are also subject to non-sampling errors such as omissions, duplications, and mistakes in reporting, recording and processing the data. These errors cannot be measured directly, but they are minimized through rigid quality controls in the data collection process and a careful review of all reported data for consistency and reasonableness.

The sampling variability of survey estimates on intended farrowings is slightly larger than that for inventories. More important, actual farrowings may differ significantly from reported intentions due to unexpected economic and environmental conditions. These differences have exceeded four percent for about one-third of the quarterly pig crops during the last five years.

In setting the inventory estimates, the Crop Reporting Board constructed a U.S. balance sheet using estimates on births, deaths and check data on slaughter, imports and exports. This balance sheet provided an additional check on survey inventory estimates.

HOGS AND PIGS: INVENTORY NUMBER, SOWS FARROWING AND PIG CROP,  
1976-1979, 14 STATES 1/

ITEM	1976	1977	1978	1979	1978 AS % OF		1979 AS
					PERCENT		PERCENT
					1976	1977	OF 1978
INVENTORY NUMBER- SEPTEMBER 1:							
ALL HOGS AND PIGS	48885	49233	48940		100	99	
KEPT FOR BREEDING	6828	7200	7396		108	103	
MARKET	42057	42033	41544		99	99	
MARKET HOGS AND PIGS							
BY WEIGHT GROUPS:							
UNDER 60 POUNDS	17097	17538	17209		101	98	
60-119 POUNDS	10629	10590	10488		99	99	
120-179 POUNDS	8500	8074	7972		94	99	
180-219 POUNDS	4922	4981	4999		102	100	
220 POUNDS AND OVER	909	850	876		96	103	
SOWS FARROWING:							
DECEMBER 2/-FEBRUARY	2052	2304	2285	3/ 2354	111	99	103
MARCH-MAY	2907	2893	2880		99	100	
DECEMBER 2/-MAY	4959	5197	5165		104	99	
JUNE-AUGUST	2513	2605	2597		103	100	
SEPTEMBER-NOVEMBER	2524	2565	3/ 2644		105	103	
JUNE-NOVEMBER	5037	5170	4/ 5241		104	101	
PIG CROP:							
DECEMBER 2/-FEBRUARY	14696	15586	15626		106	100	
MARCH-MAY	21525	21386	20791		97	97	
DECEMBER 2/-MAY	36221	36972	36417		101	98	
JUNE-AUGUST	18389	18804	18693		102	99	
SEPTEMBER-NOVEMBER	17970	18421					
JUNE-NOVEMBER	36359	37225					
PIGS PER LITTER:							
DECEMBER 2/-FEBRUARY	7.16	6.76	6.84		96	101	
MARCH-MAY	7.40	7.39	7.22		98	98	
DECEMBER 2/-MAY	7.30	7.11	7.05		97	99	
JUNE-AUGUST	7.32	7.22	7.20		98	100	
SEPTEMBER-NOVEMBER	7.12	7.18					
JUNE-NOVEMBER	7.22	7.20					

1/ GEORGIA, ILLINOIS, INDIANA, IOWA, KANSAS, KENTUCKY, MINNESOTA, MISSOURI  
NEBRASKA, NORTH CAROLINA, OHIO, SOUTH DAKOTA, TEXAS, WISCONSIN  
2/ DECEMBER PRECEDING YEAR.  
3/ INTENTIONS.  
4/ INTENTIONS FOR SEPTEMBER-NOVEMBER.

HOGS AND PIGS: INVENTORY NUMBERS, BREEDING, MARKET AND TOTAL,  
SEPTEMBER 1, 1977-78, 14 STATES

STATE	BREEDING			MARKET			TOTAL		
	1978			1978			1978		
	1977	:AS % OF:		1977	:AS % OF:		1977	:AS % OF:	
		NUMBER:	1977		NUMBER:	1977		NUMBER:	1977
	1000 HEAD	PERCENT		1000 HEAD	PERCENT		1000 HEAD	PERCENT	
GA	257	266	104	1303	1344	103	1560	1610	103
ILL	885	895	101	5215	5155	99	6100	6050	99
IND	624	630	101	3676	3870	105	4300	4500	105
IOWA	2100	2117	101	12900	12583	98	15000	14700	98
KANS	278	285	103	1892	1615	85	2170	1900	88
KY	195	183	94	925	867	94	1120	1050	94
MINN	575	605	105	3225	3045	94	3800	3650	96
MO	624	645	103	3376	3305	98	4000	3950	99
NEBR	465	522	112	2765	3008	109	3230	3530	109
N C	338	316	93	1912	1724	90	2250	2040	91
OHIO	237	248	105	1343	1392	104	1580	1640	104
S DAK	237	249	105	1533	1491	97	1770	1740	98
TEX	135	140	104	815	780	96	950	920	97
WIS	250	295	118	1153	1365	118	1403	1660	118
TOTAL									
14 STS.	7200	7396	103	42033	41544	99	49233	48940	99

MARKET HOGS AND PIGS: INVENTORY NUMBER BY WEIGHT GROUPS,  
SEPTEMBER 1, 1977-78, 14 STATES

STATE	:	UNDER		:	60-119		:	120-179		:	180-219		:	220 LBS.	
	:	60 LBS.		:	LBS.		:	LBS.		:	LBS.		:	AND OVER	
	:			:			:			:			:		
	:	1977	1978	:	1977	1978	:	1977	1978	:	1977	1978	:	1977	1978
-----															
	:	1000 HEAD													
	:														
GA	:	600	625		325	336		250	249		109	114		19	20
ILL	:	2034	1959		1408	1366		1069	1108		600	619		104	103
IND	:	1566	1579		886	964		728	770		441	484		55	73
IOWA	:	5031	4882		3354	3297		2683	2542		1574	1585		258	277
KANS	:	747	649		426	386		369	328		312	220		38	32
KY	:	460	455		227	191		135	121		80	78		23	22
MINN	:	1506	1309		755	777		532	533		367	365		65	61
MO	:	1468	1497		854	790		564	575		412	360		78	83
NEBR	:	1037	1257		722	755		569	551		376	382		61	63
N C	:	889	793		468	397		325	310		182	190		48	34
OHIO	:	595	576		308	327		246	258		181	212		13	19
S DAK	:	628	582		414	426		291	279		169	177		31	27
TEX	:	350	350		204	185		147	135		90	87		24	23
WIS	:	627	696		239	291		166	213		88	126		33	39
TOTAL	:														
14 STS.	:	17538	17209		10590	10488		8074	7972		4981	4999		850	876

HOGS AND PIGS: INVENTORY NUMBERS, BREEDING, MARKET AND TOTAL,  
JUNE 1, 1977-78, 14 STATES

STATE	BREEDING			MARKET			TOTAL		
	1978			1978			1978		
	1977	: AS % OF :		1977	: AS % OF :		1977	: AS % OF :	
		: NUMBER: 1977 :			: NUMBER: 1977 :			: NUMBER: 1977 :	
	1000 HEAD	PERCENT		1000 HEAD	PERCENT		1000 HEAD	PERCENT	
GA	257	278	108	1213	1312	108	1470	1590	108
ILL	845	897	106	4905	5203	106	5750	6100	106
IND	611	635	104	3089	3215	104	3700	3850	104
IOWA	2205	2130	97	12495	12070	97	14700	14200	97
KANS	297	278	94	1683	1572	93	1980	1850	93
KY	185	190	103	885	810	92	1070	1000	93
MINN	595	602	101	2805	3048	109	3400	3650	107
MO	623	623	100	3177	3127	98	3800	3750	99
NEBR	495	525	106	2805	2975	106	3300	3500	106
N C	317	326	103	1603	1709	107	1920	2035	106
OHIO	262	269	103	1278	1361	106	1540	1630	106
S DAK	248	252	102	1452	1428	98	1700	1680	99
TEX	156	144	92	754	686	91	910	830	91
WIS	256	286	112	1144	1254	110	1400	1540	110
TOTAL									
14 STS.	7352	7435	101	39288	39770	101	46640	47205	101

MARKET HOGS AND PIGS: INVENTORY NUMBER BY WEIGHT GROUPS,  
JUNE 1, 1977-78, 14 STATES

STATE	:	UNDER		:	60-119		:	120-179		:	180-219		:	220 LBS.	
	:	60 LBS.		:	LBS.		:	LBS.		:	LBS.		:	AND OVER	
	:			:			:			:			:		
	:	1977	1978	:	1977	1978	:	1977	1978	:	1977	1978	:	1977	1978
-----															
	:	1000 HEAD													
	:														
GA	:	568	590		340	380		206	227		85	96		14	19
ILL	:	2158	2211		1202	1301		834	947		564	614		147	130
IND	:	1300	1408		798	832		618	591		324	323		49	61
IOWA	:	5998	5347		2811	2925		2124	2144		1312	1376		250	278
KANS	:	732	684		446	417		295	275		177	165		33	31
KY	:	460	428		195	179		124	113		84	71		22	19
MINN	:	1388	1402		632	719		457	494		278	381		50	52
MO	:	1665	1563		702	672		467	544		267	285		76	63
NEBR	:	1360	1335		673	714		449	521		264	345		59	60
N C	:	705	709		407	410		302	359		154	197		35	34
OHIO	:	593	649		300	306		247	227		128	157		10	22
S DAK	:	777	781		322	310		199	191		119	119		35	27
TEX	:	312	282		198	179		134	112		84	85		26	28
WIS	:	644	652		246	311		144	148		81	102		29	41
TOTAL	:														
14 STS.	:	18660	18041		9272	9655		6600	6893		3921	4316		835	865

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,  
MARCH-MAY 1977-78, 14 STATES

STATE	SOWS FARROWING			PIGS		PIG CROP 1/		
	1978			PER LITTER		1978		
	: AS % OF :			:		: AS % OF :		
	1977	NUMBER	1977	1977	1978	1977	NUMBER	1977
	1000 HEAD	PERCENT	NUMBER	1000 HEAD	PERCENT			
GA	78	82	105	7.05	7.00	550	574	104
ILL	384	405	105	7.10	7.00	2726	2835	104
IND	201	210	104	7.25	7.10	1457	1491	102
IOWA	910	840	92	7.40	7.20	6734	6048	90
KANS	115	105	91	7.60	7.16	874	752	86
KY	67	65	97	7.10	6.80	476	442	93
MINN	220	225	102	7.75	7.50	1705	1688	99
MO	252	250	99	7.55	7.50	1903	1875	99
NEBR	200	210	105	7.53	7.24	1506	1520	101
N C	108	115	106	7.35	7.20	794	828	104
OHIO	90	98	109	7.20	7.20	648	706	109
S DAK	118	122	103	7.55	7.30	891	891	100
TEX	48	45	94	6.90	7.00	331	315	95
WIS	102	108	106	7.75	7.65	791	826	104
TOTAL								
14 STS.	2893	2880	100	7.39	7.22	21386	20791	97

1/ NUMBER OF PIGS BORN MARCH THROUGH MAY,  
THAT WERE ON HAND JUNE 1, OR HAD BEEN SOLD.

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,  
JUNE-AUGUST 1977-78, 14 STATES

STATE	SOWS FARROWING			PIGS		PIG CROP 1/		
	1978			PER LITTER		1978		
	: AS % OF :			:		: AS % OF :		
	1977	NUMBER	1977	1977	1978	1977	NUMBER	1977
	1000 HEAD	PERCENT	NUMBER	1000 HEAD	PERCENT			
GA	82	90	110	7.20	6.65	590	599	102
ILL	350	340	97	6.85	6.90	2398	2346	98
IND	215	225	105	7.10	7.15	1527	1609	105
IOWA	710	675	95	7.20	7.25	5112	4894	96
KANS	105	103	98	7.15	6.93	751	714	95
KY	70	73	104	7.30	7.10	511	518	101
MINN	225	215	96	7.40	7.45	1665	1602	96
MO	230	235	102	7.25	7.25	1668	1704	102
NEBR	155	185	119	7.25	7.20	1124	1332	119
N C	123	116	94	7.50	7.40	923	858	93
OHIO	98	94	96	7.45	7.20	730	677	93
S DAK	88	86	98	7.40	7.30	651	628	96
TEX	52	50	96	7.10	7.30	369	365	99
WIS	102	110	108	7.70	7.70	785	847	108
TOTAL								
14 STS.	2605	2597	100	7.22	7.20	18804	18693	99

1/ NUMBER OF PIGS BORN JUNE THROUGH AUGUST,  
THAT WERE ON HAND SEPTEMBER 1, OR HAD BEEN SOLD.

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,  
SEPTEMBER-NOVEMBER 1976-78, 14 STATES

STATE	SOWS FARROWING				PIGS		PIG CROP 1/		
	1978 2/				PER LITTER		1977		
	:AS % OF:						:AS % OF		
	1976	1977	NUMBER	1977	1976	1977	1976	NUMBER	1976
	1000 HEAD			PERCENT	NUMBER		1000 HEAD		PERCENT
GA	76	80	80	100	6.65	6.85	505	548	109
ILL	360	340	350	103	7.00	7.10	2520	2414	96
IND	195	190	190	100	7.30	7.10	1424	1349	95
IOWA	715	720	720	100	7.00	7.20	5005	5184	104
KANS	99	107	112	105	7.15	7.20	708	770	109
KY	57	63	60	95	7.25	6.90	413	435	105
MINN	220	240	250	104	7.25	7.20	1595	1728	108
MO	225	225	230	102	7.25	7.20	1631	1620	99
NEBR	180	185	210	114	7.18	7.20	1292	1332	103
N C	86	100	96	96	7.10	7.10	611	710	116
OHIO	94	90	100	111	7.25	7.40	682	666	98
S DAK	95	95	104	109	7.20	7.20	684	684	100
TEX	37	40	40	100	7.08	7.30	262	292	111
WIS	85	90	102	113	7.50	7.65	638	689	108
TOTAL									
14 STS.	2524	2565	2644	103	7.12	7.18	17970	18421	103

1/ NUMBER OF PIGS BORN SEPTEMBER THROUGH NOVEMBER,  
THAT WERE ON HAND DECEMBER 1, OR HAD BEEN SOLD.

2/ INTENTIONS.

FARROWINGS: NUMBER OF SOWS, PIGS PER LITTER AND PIG CROP,  
DECEMBER 1/-FEBRUARY 1977-79, 14 STATES

STATE	SOWS FARROWING				PIGS		PIG CROP 2/		
	1979 3/				PER LITTER		1978		
	:AS % OF:						:AS % OF		
	1977	1978	NUMBER	1978	1977	1978	1977	NUMBER	1977
	1000 HEAD			PERCENT	NUMBER		1000 HEAD		PERCENT
GA	87	85	90	106	6.75	6.52	587	554	94
ILL	291	300	285	95	6.50	6.60	1892	1980	105
IND	199	200	215	108	6.30	6.70	1254	1340	107
IOWA	620	600	600	100	6.95	6.95	4309	4170	97
KANS	107	100	110	110	7.30	6.65	781	665	85
KY	60	61	60	98	5.70	5.60	342	342	100
MINN	200	215	215	100	7.00	7.30	1400	1570	112
MO	205	190	200	105	6.54	6.67	1340	1267	95
NEBR	140	145	175	121	7.20	7.20	1008	1044	104
N C	110	115	115	100	6.80	7.00	748	805	108
OHIO	98	80	76	95	6.40	6.34	627	507	81
S DAK	72	72	78	108	7.19	7.00	518	504	97
TEX	50	47	45	96	6.30	6.38	315	300	95
WIS	65	75	90	120	7.15	7.70	465	578	124
TOTAL									
14 STS.	2304	2285	2354	103	6.76	6.84	15586	15626	100

1/ DECEMBER PRECEDING YEAR.

2/ NUMBER OF PIGS BORN DECEMBER THROUGH FEBRUARY,  
THAT WERE ON HAND MARCH 1, OR HAD BEEN SOLD.

3/ INTENTIONS.

HOGS AND PIGS: INVENTORY NUMBER, SOWS FARROWING AND PIG CROP,  
1976-1979, 10 STATES 1/

ITEM	1976	1977	1978	1979	1978 AS % OF 1976	1979 AS % OF 1977	1979 AS % OF 1978
		1000 HEAD			PERCENT		
INVENTORY NUMBER- SEPTEMBER 1:							
ALL HOGS AND PIGS	43190	43353	43320		100	100	
KEPT FOR BREEDING	5929	6275	6491		109	103	
MARKET	37261	37078	36829		99	99	
MARKET HOGS AND PIGS							
BY WEIGHT GROUPS:							
UNDER 60 POUNDS	14861	15239	14986		101	98	
60-119 POUNDS	9456	9366	9379		99	100	
120-179 POUNDS	7661	7217	7157		93	99	
180-219 POUNDS	4492	4520	4530		101	100	
220 POUNDS AND OVER	791	736	777		98	106	
SOWS FARROWING:							
DECEMBER 2/-FEBRUARY	1757	1997	1977 3/ 2044		113	99	103
MARCH-MAY	2604	2592	2573		99	99	
DECEMBER 2/-MAY	4361	4589	4550		104	99	
JUNE-AUGUST	2208	2278	2268		103	100	
SEPTEMBER-NOVEMBER	2268	2282 3/	2368		104	104	
JUNE-NOVEMBER	4476	4560 4/	4636		104	102	
PIG CROP:							
DECEMBER 2/-FEBRUARY	12639	13594	13625		108	100	
MARCH-MAY	19303	19235	18632		97	97	
DECEMBER 2/-MAY	31942	32829	32257		101	98	
JUNE-AUGUST	16153	16411	16353		101	100	
SEPTEMBER-NOVEMBER	16179	16436					
JUNE-NOVEMBER	32332	32847					
PIGS PER LITTER:							
DECEMBER 2/-FEBRUARY	7.19	6.81	6.89		96	101	
MARCH-MAY	7.41	7.42	7.24		98	98	
DECEMBER 2/-MAY	7.32	7.15	7.09		97	99	
JUNE-AUGUST	7.32	7.20	7.21		98	100	
SEPTEMBER-NOVEMBER	7.13	7.20					
JUNE-NOVEMBER	7.22	7.20					

- 1/ ILLINOIS, INDIANA, IOWA, KANSAS, MINNESOTA, MISSOURI, NEBRASKA, OHIO, SOUTH DAKOTA, WISCONSIN  
2/ DECEMBER PRECEDING YEAR.  
3/ INTENTIONS.  
4/ INTENTIONS FOR SEPTEMBER-NOVEMBER.